**PROJECT TITLE: Child Drone**

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**WORK COMPLETED LAST WEEK**

I set up the OS on the Raspberry Pi and began to setup GIT. I have also begun to research specific implementations of SLAM that can be used with the hardware given. Finally, I have done research on implementations that can be used to communicate with the CrazyFlie.

**WORK PLANNED FOR NEXT WEEK**

The next tasks will be to start implementing SLAM and testing it with monocular vision. In addition I will start to install the necessary APIs and Libraries for SLAM and Serial communication.

**OPEN ISSUES**

Power constraints, memory issues, and latency are all showing up in my research as the most glaring issues to the Pi. In addition, SLAM is very complex and there is no clue to how much memory or power it will take.

**DELIVERABLES AND MILESTONES**

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| --- | --- | --- | --- |
| Task | Milestone | Planned | Actual |
| Research | Install Libraries and APIs | 5/21 | 5/28 |
| Test cameras and sensors | Have a working camera | 5/21 | 5/28 |